

**2013 MS4 GENERAL PERMIT
STORMWATER PROGRAM
MANAGEMENT PLAN
for the
TOWN OF GORHAM, MAINE**

**Original Plan Date:
March 12, 2014**



GORHAM, MAINE

**2013 MS4 GENERAL PERMIT
STORMWATER PROGRAM
MANAGEMENT PLAN**

MARCH 2014

Prepared By:

**Wright-Pierce
99 Main Street
Topsham, Maine 04086**

**TOWN OF GORHAM
2013 MS4 GENERAL PERMIT
STORMWATER PROGRAM MANAGEMENT PLAN**

TABLE OF CONTENTS

| SECTION | DESCRIPTION | PAGE |
|----------------|--|-------------|
| 1 | INTRODUCTION | |
| 1.1 | Overview of Regulatory Program | 1-1 |
| 1.1.1 | Stormwater Program Management Plan | 1-1 |
| 1.1.2 | Minimum Control Measures (MCMs) | 1-2 |
| 1.1.3 | Evaluation and Assessment | 1-2 |
| 1.1.4 | Annual Reporting and Record Keeping | 1-3 |
| 1.1.5 | Impaired Waters and Total Maximum Daily Load (TMDL) Applicability | 1-4 |
| 1.2 | Basis of Plan Development | 1-4 |
| 2 | REGULATED MS4 INFORMATION | |
| 2.1 | Location Map | 2-1 |
| 2.2 | Urbanized Area Map | 2-1 |
| 2.3 | Priority Watersheds | 2-1 |
| 2.4 | Responsible Party | 2-4 |
| 3 | MINIMUM CONTROL MEASURES | |
| MCM 1 | Public Educations and Outreach | 3-1 |
| MCM 2 | Public Involvement and Participation | 3-7 |
| MCM 3 | Illicit Discharge Detection and Elimination (IDDE) | 3-9 |
| MCM 4 | Construction Site Stormwater Runoff Control | 3-14 |
| MCM 5 | Post-Construction Stormwater Management in | 3-16 |
| | New Development and Redevelopment | |
| MCM 6 | Pollution Prevention/Good Housekeeping for | 3-19 |
| | Municipal Operations | |
| 4 | GENERAL REQUIREMENTS | |
| 4.1 | Required Signature | 4-1 |
| 4.2 | Plan Availability | 4-1 |

APPENDICES

A Notice of Intent (NOI)

LIST OF FIGURES

| FIGURE | DESCRIPTION | PAGE |
|---------------|--|-------------|
| 2-1 | LOCATION MAP | 2-2 |
| 2-2 | URBANIZED AREA/PRIORITY WATERSHEDS | 2-3 |

SECTION 1

INTRODUCTION

1.1 OVERVIEW OF REGULATORY PROGRAM

The General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems (General Permit) was issued by the Maine Department of Environmental Protection (DEP) on July 1, 2013. The Maine DEP holds delegated authority under the Federal National Pollutant Discharge Elimination System (NPDES) permit program to administer the General Permit in Maine. The General Permit authorizes the direct discharge of stormwater from or associated with a regulated small municipal separate storm sewer system (MS4) to an MS4 or waters of the State other than groundwater.

Discharges must meet the requirements of the General Permit and applicable provisions of Maine's waste discharge and water classification statutes and rules. Compliance with the General Permit authorizes a person to discharge stormwater, pursuant to 38 M.R.S.A. § 413. The General Permit only applies to operations or activities associated with stormwater runoff from the regulated small MS4 within the identified Urbanized Area (UA). Several key requirements of the General Permit, including the development of this Stormwater Program Management Plan, are described below.

1.1.1 Stormwater Program Management Plan

To demonstrate how the regulated small MS4, hereinafter referred to as the “Town,” proposes to meet the requirements of the General Permit, the Town is required to develop, implement, and enforce a Stormwater Program Management Plan (Plan). The Plan outlines best management practices (BMP) that the Town intends to utilize toward implementing the six minimum control measures (MCMs) set forth in Section H of the General Permit. The BMPs are designed to reduce the discharge of pollutants from the Town’s regulated small MS4 to the maximum extent practicable, to protect water quality, and to satisfy the appropriate water quality requirements of the Clean Water Act.

The maximum extent practicable (MEP) is an iterative and adaptive process that considers several factors with an ultimate goal of protecting and improving water quality. For the purposes of the General Permit, narrative effluent limitations are used to meet the MEP requirements by employing BMPs designed to reduce pollutants and protect water quality. This Plan describes how the Town will reduce or eliminate polluted stormwater runoff to the maximum extent practicable from its regulated small MS4 by incorporating the six minimum control measures.

1.1.2 Minimum Control Measures (MCMs)

The General Permit requires that for each MCM, the Plan shall include the appropriate BMPs and measurable goals by which each BMP will be evaluated; a responsible party for implementing each BMP; and a timeline for implementation of each BMP. The MCMs included in the Plan are as follows:

- MCM 1 Public Education and Outreach on Stormwater Impacts
- MCM 2 Public Involvement and Participation
- MCM 3 Illicit Discharge Detection and Elimination (IDDE)
- MCM 4 Construction Site Stormwater Runoff Control
- MCM 5 Post-Construction Stormwater Management in New Development and Redevelopment
- MCM 6 Pollution Prevention / Good Housekeeping for Municipal Operations

1.1.3 Evaluation and Assessment

The Town will evaluate program compliance, the appropriateness of identified BMPs, and progress towards achieving identified measurable goals through annual reporting. This Plan will be amended if the DEP or the Town determines that (1) the Plan fails to control pollutants or adequately protect against pollution, (2) the Plan does not prevent the potential for a significant contribution of pollutants, (3) the Plan does not meet requirements of the General Permit, or (4) new information results in a shift in the Plan's priorities (refer to Part IV.B of the General Permit for further information on amending the Plan).

1.1.4 Annual Reporting and Record Keeping

The Town shall keep records required by the General Permit for a period of at least three years following its expiration (or longer, if requested by the Commissioner of the DEP). The Town shall make records, including this Plan, available to the public at reasonable times during regular business hours.

By September 15, 2014, and annually thereafter by September 15, the Town will electronically submit a report via email to the Municipal and Industrial Stormwater Coordinator, Department of Environmental Protection for their review and approval.

The report will include the following:

- a. The status of compliance with permit conditions based on the Town's Plan, an assessment of the appropriateness of identified BMPs, progress towards achieving identified measurable goals for each of the MCMs, and progress toward achieving the goal of reducing the discharge of pollutants to the maximum extent practicable. This assessment will include a summary describing activities, progress, and accomplishments for MCMs 1 through 6.
- b. Results of information collected and analyzed, including monitoring data, if any, during the reporting period.
- c. A summary of the stormwater activities the Town intends to undertake pursuant to its Plan during the next permit year.
- d. A change in any identified BMPs or measurable goals that apply to the Plan.

Changes to the report based on the DEP's review comments will be submitted to the DEP within 60 days of the receipt of the comments.

1.1.5 Impaired Waters and Total Maximum Daily Load (TMDL) Applicability

Part IV.K of the General Permit includes the requirement that if a waterbody to which a discharge drains is impaired and has an Environmental Protection Agency (EPA) approved TMDL, then the discharge must be consistent with the TMDL waste load allocation and any implementation plan.

Regulated stormwater discharges from Gorham drain to Tannery Brook, Mosher Brook, the Presumpscot River, and tributaries of the Stroudwater River. Based on the Draft Maine DEP 2012 Integrated Water Quality Monitoring and Assessment Report, Mosher Brook, a tributary to the Presumpscot River, is listed for recreational use impairments caused by *Escherichia coli* (*E. coli*), and is included in the 2009 Maine Statewide Bacteria TMDL.

It is possible that the impairments to Mosher Brook are a result of agricultural land uses within the watershed. The Town has and will continue to implement the MCMs included in this Plan to reduce the impact that stormwater has on Mosher Brook. This Plan is consistent with the EPA-approved TMDLs by reducing illicit discharges to Mosher Brook under their Illicit Discharge Detection and Elimination (IDDE) program. In addition, the Town is reducing polluted stormwater runoff by actively cleaning catch basins, sweeping streets, reducing erosion and sediment runoff at construction sites, and encouraging developers to consider low impact development (LID) and green infrastructure techniques.

1.2 BASIS OF PLAN DEVELOPMENT

This Plan was developed in accordance with the requirements of the General Permit, which was issued by the Maine DEP on July 1, 2013. Per the General Permit, implementation of the six MCMs is required only within the urbanized area of the regulated small MS4, as defined by the inclusive sum of the 2000 and 2010 decennial census by the U.S. Bureau of Census. This Plan is to be substantially implemented by June 30, 2018.

SECTION 2

REGULATED MS4 INFORMATION

2.1 LOCATION MAP

The location map for the Town is included as Figure 2.1.

2.2 URBANIZED AREA MAP

The urbanized area map was developed from the U.S. Census Bureau (2000 and 2010) Urbanized Area and Urban Cluster Data, and is included as Figure 2.2.

2.3 PRIORITY WATERSHEDS

The Town's highest priority watershed is Tannery Brook, and the second highest priority watershed is the Presumpscot River. The priority watersheds are shown on Figure 2.2.

The Tannery Brook watershed is located in the "Gorham Village", and approximately half of its area is within the Urbanized Area. It was chosen as the highest priority watershed as that is where the most built-up areas of Town are located. In addition, it has been a focus of concern in the past by the Cumberland County Soil and Water Conservation District.

The area directly tributary to the Presumpscot River is the Town's second highest priority watershed. It includes area at the north end of Gorham's Urbanized Area, to the east of Route 202 in the "Little Falls" area.



Copyright © 2013 National Geographic Society, i-cubed

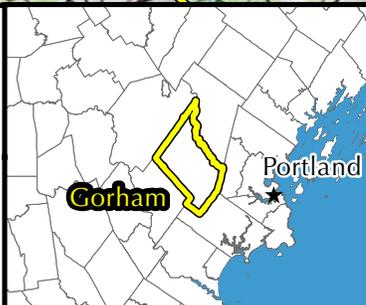
Wednesday, October 29, 2008, 2:45:02 PM W:\GIS_Development\Projects\11293D_Falmouth\Fig2-1.mxd

Legend

 Town Boundary

Source:

Town boundary provided by MEGIS,
Topo via National Geographic Society



2013 MS4 General Permit
Stormwater Program Management Plan

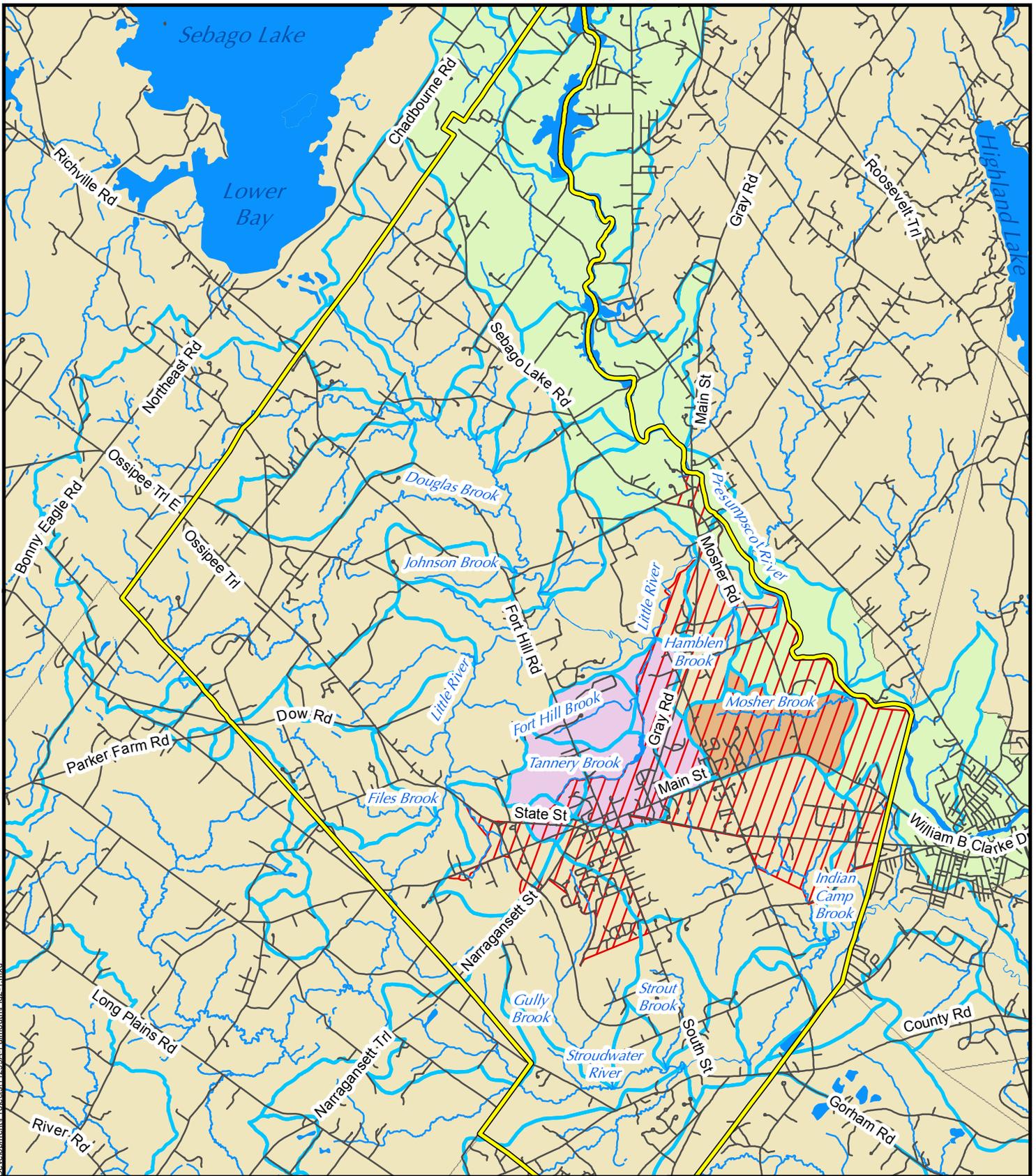
Location Map
Gorham, Maine

PROJ NO: 12093D DATE: Feb 2014

WRIGHT-PIERCE
Engineering a Better Environment

FIGURE:

2.1



Wednesday, October 29, 2008 2:45:02 PM W:\GIS_Development\Projects\11299A_Falmouth\Fig2-1.mxd

Legend

- Town Boundary
- Open Water
- River/Stream
- Watershed Boundary
- Urbanized Areas (2000 and 2010)
- Tannery Brook (High Priority)
- Presumpscot River (Second Highest Priority)
- Moshers Brook



Town boundary from MEGIS;
 Rivers based on USGS NHD;
 Watersheds from Cumberland SWCD
 derived from the statewide drainage divides layer from MEGIS;
 Urbanized Area (2000, 2010) data from US Census Bureau.



2013 MS4 General Permit
 Stormwater Program Management Plan
 Urbanized Area/Priority Watersheds
 Gorham, Maine

PROJ NO: 12093D DATE: Mar 2014



FIGURE:
2.2

2.4 RESPONSIBLE PARTY

The position(s) responsible for implementing each best management practices (BMPs) included in this Plan are identified under each BMP outlined in Section 3. MCM 1 and 2 will be implemented by municipal stormwater program staff in cooperation with the ISWG Education Coordinator and/or ISWG Stormwater Program Coordinator. The contact information for each responsible party included in the Plan is detailed below:

2.4.1 Responsible Party for Completion

Name: Robert Burns

Position: Public Works Director

Phone: (207) 892-9062

Email: rburns@gorham.me.us

Name: Thomas Poirier

Position: Town Planner

Phone: (207) 222-1620

Email: tpoirier@gorham.me.us

2.4.2 Responsible Party for Development of MCM 1 and MCM 2

Name: Jami Fitch, CCSWCD

Position: ISWG Education Coordinator

Phone: (207) 892-4700

Email: jfitch@cumberlandswcd.org

Name: Tamara Lee Pinard, CCSWCD

Position: ISWG Stormwater Program Coordinator

Phone: (207) 892-4700

Email: TLeePinard@cumberlandswcd.org

SECTION 3

MINIMUM CONTROL MEASURES

MCM 1 PUBLIC EDUCATION AND OUTREACH

Goals:

1. To raise awareness that polluted stormwater runoff is the most significant source of water quality problems for Maine's waters;
2. To motivate people to use BMPs which reduce polluted stormwater runoff ; and
3. To reduce polluted stormwater runoff as a result of increased awareness and utilization of BMPs.

The Town will fulfill the requirements for Public Education and Outreach through participation in the Interlocal Stormwater Working Group (ISWG) and the Town's provision of funding to the ISWG for Public Education and Outreach services, as described in this section of the Plan. For specific permit requirements, refer to Part IV(H)(1) of the General Permit.

BMP 1.1 Continue Awareness Outreach Efforts

Responsible Party for Completion: Public Works Director

Responsible Party for Development: ISWG Education Coordinator

Measurable Goal 1.1.1: In Permit Year 1, the ISWG will implement awareness activities outlined in the revised Statewide Awareness Plan. Activities include:

- Maintain a link to www.thinkbluemaine.org on municipal website.
- Participate in a statewide media campaign to include 12 months of television advertisements and 12 months of online advertisements that direct to www.thinkbluemaine.org.
- Promote their approved public event.

Reporting: The annual report will include documentation of activities implemented as part of the revised Statewide Awareness Plan.

BMP 1.2 Update and Implement Stormwater Awareness Plan

Responsible Party for Completion: Public Works Director

Responsible Party for Development: ISWG Education Coordinator

Measureable Goal 1.2.1: By December 2, 2013, submit a Stormwater Awareness Plan to raise awareness of stormwater issues such as the path stormwater runoff takes, sources of stormwater pollution and the impact that polluted stormwater runoff has in the community(ies). The plan will identify:

- a) the target audience,
- b) the outreach tool(s) to be used,
- c) the message,
- d) the distribution system,
- e) the time line and implementation schedule,
- f) the person(s) responsible for implementation,
- g) an impact evaluation protocol,
- h) a plan modification protocol (this must include DEP approval of significant plan modifications), and
- i) the goals (e.g., the targeted level of change sought as a result of the education and outreach effort; specific measurable goals for plan implementation).

Measurable Goal 1.2.2: As of February 1, 2014 the Stormwater Awareness Plan will be considered approved and implementation of the Stormwater Awareness Plan will begin within one week of approval, unless the DEP responds in writing or verbally otherwise. The overall schedule for raising awareness of stormwater will be included as part of the Stormwater Awareness Plan.

Reporting: The annual report will include a review of the Stormwater Awareness Plan as well as process and impact indicators as outlined in the Stormwater Awareness Plan. In Permit Year 5, an in-depth assessment of both the implementation and the impact of the Stormwater Awareness Plan will be provided.

BMP 1.3 Develop and Implement Permit Awareness Plan

Responsible Party for Completion: Public Works Director

Responsible Party for Development: ISWG Education Coordinator

Measureable Goal 1.3.1: By January 6, 2014, submit a Permit Awareness Plan to raise awareness of stormwater issues including MS4 permit requirements for municipal employees, elected officials and volunteers within municipal government. The plan will identify:

- a) the target audience,
- b) the outreach tool(s) to be used,
- c) the message,
- d) the distribution system,
- e) the time line and implementation schedule,
- f) the person(s) responsible for implementation,
- g) an impact evaluation protocol,
- h) a plan modification protocol (this must include DEP approval of significant plan modifications), and
- i) the goals (e.g., the targeted level of change sought as a result of the education and outreach effort; specific measurable goals for plan implementation).

Measurable Goal 1.3.2: As of March 1, 2014, the Permit Awareness Plan will be considered approved and implementation of the Permit Awareness Plan will begin within one week of approval, unless the DEP responds in writing or verbally otherwise. The overall schedule for raising awareness of the permit will be included as part of the Permit Awareness Plan.

Reporting: The annual report will include a review of the Permit Awareness Plan as well as process and impact indicators as outlined in the Permit Awareness Plan. In Permit Year 5, an analysis of the process and impact indicators of the Permit Awareness Plan will be provided.

BMP 1.4 Continue Targeted BMPs Adoption Efforts from Previous MS4 Permit Cycle

Responsible Party for Completion: Public Works Director

Responsible Party for Development: ISWG Education Coordinator

Measureable Goal 1.4.1: In Permit Year 1, the ISWG will continue BMP adoption activities carried out in Permit Year 5 of the 2008-2013 BMP Adoption Plan.

Activities include:

- Provide a minimum of six adult education classes throughout the ISWG region per year.
- Work with a minimum of 21 retail locations to provide healthy lawn care education to consumers.
- Maintain the YardScaping website hosted on CCSWCD's website.
- Provide information to targeted neighborhoods via direct mail, neighborhood canvassing, socials, or other means.

Reporting: The annual report will include documentation of activities completed as part of the continuation of the 2008-2013 BMP Adoption Plan.

BMP 1.5 Update and Implement BMP Adoption Plan

Responsible Party for Completion: Public Works Director

Responsible Party for Development: ISWG Education Coordinator

Measurable Goal 1.5.1: By November 1, 2013, submit a plan to encourage targeted audience to adopt or practice specific BMPs that will reduce stormwater pollution.

The Plan will include:

- a) the BMP,
- b) the target audience,
- c) the outreach tool(s) to be used,
- d) the message,
- e) the distribution system,
- f) the time line,

- g) the person(s) responsible for implementation,
- h) an impact evaluation protocol,
- i) a plan modification protocol, and
- j) the targeted level of change as a result of the outreach effort (specific measurable goals for plan implementation).

Measurable Goal 1.5.2: As of January 15, 2014 the BMP Adoption Plan will be considered approved and implementation of the Plan will begin, unless DEP responds in writing or verbally otherwise. An overall schedule for BMP adoption will be included in the BMP Adoption Plan.

Reporting: The annual report will include a review of the BMP Adoption Plan as well as process and impact indicators as outlined in the BMP Adoption Plan. In Permit Year 5, an in-depth assessment of both the implementation and the impact of the BMP Adoption Plan will be provided.

BMP 1.6 Develop and Implement Targeted Outreach in Priority Watershed Plan

Responsible Party for Completion: Public Works Director

Responsible Party for Development: ISWG Education Coordinator

Measureable Goal 1.6.1: By July 1, 2014, submit a draft plan on how to meet either permit requirement in Part IV(H)(1.a.iv.1) or (1.a.iv.2). The plan will identify:

- a) the specific stormwater activity or pollutant to be addressed,
- b) the target audience,
- c) the outreach tool(s) to be used,
- d) the message and the BMPs to be encouraged,
- e) the time line and implementation schedule,
- f) the person(s) responsible for implementation,
- g) the goal of the outreach effort, and
- h) the impact evaluation protocol.

Measurable Goal 1.6.2: By November 1, 2014, submit a final plan, and as of January 5, 2015 the Targeted Outreach in Priority Watershed Plan will be considered

approved and implementation will begin, unless DEP responds in writing or verbally otherwise. An overall schedule for targeted outreach in the priority watershed will be included as part of the Targeted Outreach in Priority Watershed Plan.

Reporting: Starting in Permit Year 2, the annual report will include a review of the Targeted Outreach in Priority Watershed Plan as well as process and impact indicators as outlined in the Targeted Outreach in Priority Watershed Plan. In Permit Year 5, an analysis of the process and impact indicators of the Targeted Outreach in Priority Watershed Plan will be provided.

BMP 1.7 School Outreach

Responsible Party for Completion: Public Works Director

Responsible Party for Development: ISWG Education Coordinator

Measureable Goal 1.7.1: In Permit Year 1, continue the incorporation and implementation of “It’s all connected” school curriculum in elementary and/or middle schools.

Measurable Goal 1.7.2: In Permit Years 2-5, as funding allows, continue the incorporation and implementation of “It’s all connected” school curriculum in elementary and/or middle schools.

Reporting: The annual report will include the total number of students reached, which schools were involved, and the lesson topics that were covered.

MCM 2 PUBLIC INVOLVEMENT AND PARTICIPATION

Goal: Involve the public in both the planning and implementation process of improving water quality and reducing stormwater quantity via the stormwater program.

The Town will fulfill the requirements for Public Involvement and Participation through participation in the Interlocal Stormwater Working Group (ISWG) and the Town's provision of funding to the ISWG for Public Involvement and Participation services, or through directly fulfilling the requirements, as described in this section of the Plan. For specific permit requirements, refer to Part IV(H)(2) of the General Permit.

BMP 2.1 Public Notice Requirement

Responsible Party for Completion: Public Works Director

Responsible Party for Development: ISWG Stormwater Program Coordinator

Measurable Goal 2.1.1: During Permit Year 1, ISWG and/or its members will follow state and local Public Notice requirements for ISWG and/or individual Stormwater Program Management Plans, as applicable. Copies of the Plans will be made available on the Maine DEP website.

Measurable Goal 2.1.2: In Permit Years 1-5, ISWG and/or its members will follow state and local Public Notice requirements when involving stakeholders in the implementation of the General Permit.

Reporting: The annual report will describe compliance with public notice requirements including documentation of meetings and attendance, where applicable.

BMP 2.2 Host Public Event

Responsible Party for Completion: Public Works Director

Responsible Party for Development: ISWG Education Coordinator

Measurable Goal 2.2.1: In Permit Years 1-5, the ISWG and/or the Town will annually host, conduct, or participate in at least one public event that includes a pollution

prevention and/or water quality theme. The target audience will be adult residents of the Town of Gorham. The message will be tailored to best reach the target audience given the characteristics of the public event.

Examples of such events include, storm drain stenciling, stream clean-up, household hazardous waste collection day(s), volunteer monitoring, neighborhood educational events, conservation commission outreach program, or adopt a storm drain or local stream program. The ISWG and/or Town will consult with DEP to ensure that the event will satisfy the permit requirements.

Reporting: The annual report will include a description of the event including estimated attendance/participation and an impact evaluation to assess effectiveness of the methods used to plan and host the event. The Town will include a comprehensive review of the public events in its Permit Year 5 Annual Report, including an analysis of the process and impact indicators for the events.

MCM 3 ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE)

Goal: Implement and enforce a program to detect and eliminate illicit discharges into the MS4. For specific permit requirements, refer to Part IV(H)(3) of the General Permit.

BMP 3.1 Review Watershed Based Storm Sewer System Infrastructure Map and Update as New Information Becomes Available

Responsible Party: Public Works Director

Measureable Goal 3.1.1: During Permit Years 1-5, update and maintain the storm sewer system map by collecting and/or updating data when additional information is identified or becomes available. In addition, the Town will annually review the existing storm sewer system map to determine whether updates are necessary.

Reporting: The annual report will include a status update of mapping efforts undertaken during the Permit Year.

BMP 3.2 Non-Stormwater Discharge

Responsible Party: Public Works Director

Measureable Goal 3.2.1: In Permit Years 1-5, the Town will continue to enforce the Chapter 1 (Non-Stormwater Discharge) of the Stormwater Ordinance.

Reporting: The annual report will include documentation of illicit discharge incidents and municipal enforcement actions taken under the Chapter 1 (Non-Stormwater Discharge) of the Stormwater Ordinance.

BMP 3.3 Update Dry Weather Outfall Inspection Program

Responsible Party: Public Works Director

Measureable Goal 3.3.1: In Permit Years 1-5, the prioritized schedule of outfall inspections will take into consideration the results of previous inspections as well

as drainage areas that the Town perceives as having the greatest potential threat to the receiving waters (such as their highest priority watershed).

Measureable Goal 3.3.2: In Permit Year 1, review the standard operating procedure for the dry weather outfall inspection program, and modify or revise it as necessary. Particular attention will be given to the procedures that are in place if and when an illicit discharge is encountered during routine or opportunistic inspections. Currently, the following procedures are in place when an illicit discharge is suspected or detected:

- a. Look for potential source in the immediate area.
- b. Gather as much information on the suspected or illicit discharge as possible.
- c. Report suspected or detected illicit discharge to the Public Works Director.
- d. Once reported, use various inspection techniques to determine the source of the discharge.
- e. Once the source has been identified, remove the illicit discharge through enforcement of Chapter 1 (Non-Stormwater Discharge) of the Stormwater Ordinance.

Measureable Goal 3.3.3: In Permit Years 1-5, conduct dry weather outfall inspections based on the prioritized schedule that is developed under Measurable Goal 3.3.1.

Reporting: Inspection results will be documented in a database management system or other recordkeeping system. The annual report will provide a summary of the inspection results.

BMP 3.4 Illicit Discharge Detection into Ditch System

Responsible Party: Public Works Director

Measureable Goal 3.4.1: During Permit Years 1, to the extent allowable under State or local law, the Town will finalize the standard operating procedure for detecting illicit discharges within the ditch system within the highest priority watershed.

Measureable Goal 3.4.2: During Permit Years 2-5, to the extent allowable under State or local law, the Town will implement the standard operating procedure that was finalized under Measureable Goal 3.4.1.

Reporting: The annual report will include a status update on the development and implementation of the ditch illicit discharge program. Reporting of illicit discharge detections and actions taken will be included under MCM 3, BMP 3.2, Non-Stormwater Discharge.

BMP 3.5 Septic System Evaluation

Responsible Party: Public Works Director

Measureable Goal 3.5.1: By the end of Permit Year 3, review which areas are served by sanitary sewer and which are equipped with septic systems, and develop a list of septic systems that are located within the highest priority watershed, are equal to or greater than 20 years old, and have the potential to discharge to the MS4, if they were to fail.

Measureable Goal 3.5.2: By the end of Permit Year 4, conduct a drive-by evaluation of all septic systems that were identified as required (refer to Measureable Goal 3.5.1). The drive-by evaluations will be documented, and the Town will follow their standard operating procedure for illicit discharge detection and elimination, if a septic system is found to be malfunctioning.

Reporting: The annual report will provide an update on the development of the list of septic systems as well as a summary of the drive-by evaluations.

BMP 3.6 Coordinate with the Portland Water District regarding water line and hydrant flushing to determine if either are a significant contributor of pollutants to the MS4

Responsible Party: Director of Public Works

Measureable Goal 3.6.1: In Permit Year 1, coordinate with the Portland Water District via mail or in person to evaluate whether or not water line or hydrant flushing from potable water sources is a significant contributor of pollutants to the MS4. Evaluation will include the following action:

- Provide the Portland Water District with a location map showing the extent of the municipal urbanized area, and the highest priority watershed(s).
- Gather information from the Portland Water District specific to the urbanized area and priority watershed(s), including the number and location of hydrants and details on water line or hydrant flushing that outlines procedures, including how often flushing occurs, typical flow rates and duration, where the water is conveyed, what the target or actual chlorine concentrations are, and what best practices are employed to prevent erosion and address potential pollutants.

Measureable Goal 3.6.2: By no later than December 30, 2014, unless otherwise approved by the DEP, using available GIS or other municipal mapping information, the location of hydrants will be added to the storm sewer system infrastructure map to aid in the evaluation; the Town will work with the Portland Water District to prioritize the hydrants or water lines that have the potential to cause exceedances of the ambient water quality criterion for chlorine when discharged through the MS4. The Town will request a water quality progress report that documents what best management practices are being implemented for flushing activity at the prioritized hydrants as well as the water utility's testing results of the total residual chlorine for any such discharges.

Measurable Goal 3.6.3: Permit Years 3-5, request an annual water quality progress report that documents what best management practices are being implemented for flushing activity at the prioritized hydrants as well as the Portland Water District's testing results of the total residual chlorine for any such discharges.

Measurable Goal 3.6.4: If it is determined by the end of Permit Year 3, that water line or hydrant flushing is a significant contributor of pollutants to the MS4, and the Portland Water District has demonstrated that it will not voluntarily implement BMPs in order to reach ambient water quality criteria for chlorine, the Town will, as soon as practicable or by no later than the end of Permit Year 4, update Chapter 1 (Non-Stormwater Discharge) or their Stormwater Ordinance to allow enforcement of discharges that cause exceedances of water quality criteria.

Reporting: The annual report will include a status update on the evaluation of water line and hydrant flushing as a significant contributor of pollutants to the MS4 and an update on subsequent actions.

MCM 4 CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

Goal: Reduce pollutants in any stormwater runoff to the regulated small MS4 from construction activities that result in a land disturbance of greater than or equal to one acre.

The Town will rely on the Maine Construction General Permit (MCGP) or Chapter 500, Stormwater Management to meet the requirements of the General Permit. For specific permit requirements, refer to Part IV(H)(4) of the General Permit.

BMP 4.1 Notification to construction site developers and operators of the requirements for registration under the Maine Construction General Permit or Chapter 500, Stormwater Management for the discharge of stormwater associated with construction activities

Responsible Party: Town Planner

Measurable Goal 4.1.1: In Permit Years 1-5, continue notification procedures currently in place through the permitting process. Notification is primarily given through the site plan and subdivision review process as well as the building permit application.

Reporting: The annual report will include a description of any updates made to the notification procedures.

BMP 4.2 Continue to implement a mechanism to annually document every construction activity that disturbs one or more acres within the Urbanized Area.

Responsible party: Town Planner

Measurable Goal 4.2.1: In Permit Years 1-5, continue to use the current tracking system to record every activity that disturbs greater than or equal to one acre. The system will be used to summarize data to be included in annual reports submitted to the DEP, and therefore will differentiate construction activities within the priority watershed(s) and all other watersheds.

Reporting: The number of construction activities disturbing greater than or equal to one acre will be included under BMP 4.3.

BMP 4.3 Continue to Implement a Construction Site Inspection Program

Responsible party: Town Planner

Measurable Goal 4.3.1: In Permit Years 1-5, continue the implementation of the construction site inspection program. The Town will continue to conduct construction inspections using contracted third party inspectors and/or municipal staff, as applicable, to meet the terms and conditions of the General Permit. Construction sites located in the highest priority watershed will be inspected a minimum of three times and construction sites located in all other watersheds will be inspected a minimum of two times over the life of the project. For all construction sites, at least one of the required inspections will be at project completion. The inspector will document inspections using the standardized inspection report procedures.

Measurable Goal 4.3.2: In Permit Years 1-5, continue to implement the process for tracking and notifying the site developer or contractor of non-compliance issues. For sites that are not in compliance, the inspector discusses issues with the contractor onsite, includes any non-compliance issues in the inspection report, and, if necessary, meets with the Town to discuss. Non-compliance issues are typically voluntarily addressed by the Contractor; however, sites that are not brought into compliance within a reasonable period of time are referred to the Code Enforcement Officer who would discuss non-compliance or a violation of approval with the contractor and/or developer. If the non-compliance issue is still not corrected in a timely manner, a stop work order would be issued. Continued non-compliance would be reported to the DEP with supporting documentation.

Reporting: Inspection results will be documented in a database management system or other recordkeeping system. The annual report will provide a summary of the inspection results.

MCM 5 POST-CONSTRUCTION STORMWATER MANAGEMENT IN DEVELOPMENT AND REDEVELOPMENT

Goals: Address stormwater runoff from new development and redevelopment projects that disturb greater than or equal to one acre and discharge into the Town's MS4 and ensure adequate long-term operation and maintenance of post-construction BMPs.

The Town adopted the Post-Construction Stormwater Management ordinance on September 1, 2009 and it became effective on October 1, 2009. The Ordinance requires owners and operators of post-construction BMPs to hire a qualified, third-party inspector to document that the post-construction BMPs are adequately maintained and functioning as intended or require maintenance. Based on the language contained in the Ordinance, the Town will have no inspection requirements under the General Permit. For specific permit requirements, refer to Part IV(H)(5) of the General Permit.

BMP 5.1 Implement the Post-Construction Stormwater Management Ordinance

Responsible Party: Town Planner

Measurable Goal 5.1.1: In Permit Years 1-5, continue to implement the Post-Construction Stormwater Management Ordinance.

Reporting: The annual report will provide the status of implementation of the Post-Construction Stormwater Management Ordinance.

BMP 5.2 Implement a method to track post-construction BMPs that are installed within the Urbanized Area and that discharge to the MS4, and develop and implement a system to track annual certifications that are required by the owner or operator of the post-construction BMP(s).

Responsible Party: Town Planner

Measurable Goal 5.2.1: In Permit Years 1-5, continue to track post-construction BMPs that are installed, and record the annual certifications that are required of the owner

or operator of the post-construction BMP(s) and have been received by the Town.

Measureable Goal 5.2.2: In Permit Years 1-5, conduct an annual evaluation of the tracking method used and modify it, as necessary.

Reporting: The annual report will provide a summary of the information contained in the database management system or other recordkeeping system used for tracking. The following information will be included in the Town's annual report to the Maine DEP:

- The cumulative number of sites that have post-construction BMPs discharging into the Town's MS4.
- A summary of the number of sites that have post-construction BMPs discharging into the Town's MS4 that were reported to the municipality.
- The number of sites with documented functioning post-construction BMPs.
- The number of sites that required routine maintenance or remedial action to ensure that the post-construction BMP were functioning as intended.

The report will also include an update on the tracking system, if any modifications were made based on the evaluation of the method used.

BMP 5.3 Develop and implement a procedure to encourage site developers to consider incorporating low impact development or green infrastructure techniques

Responsible Party: Town Planner

Measureable Goal 5.4.1: The Town's Draft Comprehensive Plan includes a section related to Green Development, which will serve as a starting point for identifying the importance of such a land use policy. By the end of Permit Year 4, the Town will develop and implement a method for encouraging site developers to consider incorporating low impact development or green infrastructure into development and redevelopment projects.

Measureable Goal 5.4.2: During Permit Years 5, evaluate the methods used to encourage site developers to determine their effectiveness.

Reporting: The annual report will provide a status update toward the development and implementation of this BMP.

MCM 6 POLLUTION PREVENTION / GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

Goal: Prevent or reduce pollutant runoff from municipal operations.

For specific permit requirements, refer to Part IV(H)(6) of the General Permit.

BMP 6.1 Inventory Operations at Municipally Owned Grounds and Facilities.

Responsible Party: Public Works Director

Measurable Goal 6.1.1: By the end of Permit Year 1, review the existing inventory of municipal operations and update the inventory as necessary. The inventory should consider all municipal operations that are conducted in, on, or associated with facilities, buildings, golf courses, cemeteries, parks and open spaces owned or operated by the Town and that have the potential to cause or contribute to stormwater or surface water pollution.

Measurable Goal 6.1.2: By the end of Permit Year 2, evaluate the inventory that was updated in Measurable Goal 6.1.1 in relation to the existing written operation and maintenance (O&M) procedures. The Town will determine whether the existing O&M procedures sufficiently encompass all applicable municipal operations or need to be updated. A copy of any required O&M Plans will be maintained onsite at all applicable facilities.

Measurable Goal 6.1.3: The Town will continue to implement existing O&M procedures, and by the end of Permit Year 3, develop and implement additional O&M procedures for any municipal operations that are not encompassed by the existing O&M procedures; a copy of any required O&M Plans will be maintained onsite at all applicable facilities. The O&M procedures will include maintenance schedules and inspection procedures to ensure long-term operation of any structural and non-structural controls that reduce stormwater pollution to the maximum extent practicable. Refer to Part IV(H)(6.a.i) of the General Permit, for the topics that the O&M procedures are to address.

Reporting: The annual report will include a status update on the development and implementation of this BMP.

BMP 6.2 Municipal Employee Training.

Responsible Party: Public Works Director

Measurable Goal 6.2.1: By end of Permit Year 2, identify training needs and materials.

Measurable Goal 6.2.2: During Permit Years 3-5, implement a municipal employee training program to reduce stormwater pollution potential from municipal operations. For suggested topics to be covered by the training program, refer to Part IV(H)(6.a.ii) of the General Permit.

Reporting: The annual report will include a list of the types of training presented, the number of staff who attended the training, and the length of the training as well as the effectiveness of the training.

BMP 6.3 Street Sweeping.

Responsible Party: Public Works Director

Measurable Goal 6.3.1: In Permit Years 1-5, continue to sweep all publicly accepted paved streets and publicly owned paved parking lots maintained by the Town at least once per year as soon as possible after snowmelt.

Reporting: The annual report will include a status update on street sweeping conducted for the permit year, unless otherwise noted.

BMP 6.4 Cleaning of Stormwater Structures including Catch Basins.

Responsible Party: Public Works Director

Measurable Goal 6.4.1: In Permit Years 1-5, continue a program to evaluate and, if necessary, clean catch basins and other stormwater structures that accumulate

sediment at least once every other year and dispose of the removed sediment in accordance with current state law. The Town will clean catch basins more frequently, if inspections indicate excessive accumulation of sediment. Excessive accumulation is considered when the sump is equal to or more than 50 percent filled.

Reporting: The annual report will include a status update on cleaning conducted for the permit year, unless otherwise noted.

BMP 6.5 Maintenance and Upgrading of Stormwater Conveyances and Outfalls.

Responsible Party: Public Works Director

Measurable Goal 6.5.1: During Permit Years 1-5, continue to maintain and upgrade the Town's MS4 as needed or as part of their capital improvement planning process, and evaluate and implement a prioritized scheduled, as necessary, for repairing or upgrading the Town's MS4.

Reporting: The annual report will include a status update on the maintenance and upgrading of stormwater conveyances, structures, and outfalls.

BMP 6.6 Stormwater Pollution Prevention Plans (SWPPPs)

Responsible Party: Director of Public Works

Measurable Goal 6.6.1: By the end of Permit Year 1, the Town will review its existing SWPPP for the Public Works Garage and update it, as necessary, to ensure that it meets the requirements of the April 26, 2011 Maine Multi-Section General Permit.

Measurable Goal 6.6.2: In Permit Years 1-5, the Town will continue to implement the SWPPP for the Public Works Garage.

Reporting: The annual report will include a status update on the implementation of the SWPPP(s).

SECTION 4
GENERAL REQUIREMENTS

SECTION 4.1 REQUIRED SIGNATURE

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature: David O. Cole Date: 3/12/14
David Cole

Title: Town Manager
Town Manager

SECTION 4.2 PLAN AVAILABILITY

This Plan will be retained by the Town's chief elected official or principal executive officer for the duration of the permit period, and copies will be available and retained by municipal officials or employees responsible for implementation of the Plan. The Town will make a signed copy of the Plan available to the following, immediately upon request:

- a. The Commissioner of the DEP;
- b. The operator of a regulated small MS4, in the case of that regulated small MS4 is adjacent to or interconnected with the Town's storm sewer system; and
- c. The public water supply company, in the case of a regulated small MS4 stormwater discharge to a water supply watershed.

APPENDIX A
Notice of Intent (NOI)

NOTICE OF INTENT TO COMPLY WITH MAINE GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER FROM MUNICIPAL SEPARATE STORM SEWER SYSTEMS

PLEASE TYPE OR PRINT IN **BLACK INK ONLY**

| | | | | |
|--|--|-------------------------------|---|-----------------|
| Municipality: | Gorham | Mailing Address: | Gorham Municipal Center 75 South Street, Suite 1 | |
| Town/City: | Gorham | State: | ME | Zip Code: 04038 |
| Name and title of chief elected official or principal executive officer: | David Cole, Town Manager | Mailing Address: | Same | |
| Town/City: | | State: | | Zip Code: |
| Name of primary contact person responsible for MS4 stormwater management program: | Robert Burns | Mailing Address: | Same | |
| Town/City: | | State: | | Zip Code: |
| Daytime phone: (with area code) | (207)892-9062 | Email if available: | rburns@gorham.me.us | |
| Estimate of the area in square miles of the Urbanized Area: | 8.8 | Permit Number(if applicable): | MER041027 | |
| Name of stream(s), wetland(s) or waterbody(ies) to which the regulated Small MS4 discharges and a list of impaired waterbody(s) which receive stormwater from the Regulated Small MS4 (attach additional sheets as necessary): | Tannery Brook, Mosher Brook, Little River, Presumpscot River, Hamblen Brook, Indian Camp Brook | | | |
| | Impaired waters: Mosher Brook | | | |
| | | | | |
| | | | | |

I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement knowingly made in the submitted information may be punishable as a criminal offense, in accordance with Maine General Statutes.

I certify that this permit registration is on complete and accurate forms as prescribed by the Department without alteration of the text.

I also certify under penalty of law that I have read and understand all requirements of the General Permit. I certify that all requirements for authorization under the general permit are met and that a system is in place to ensure that all terms and conditions of this general permit will continue to be met for all discharges authorized by this general permit for the municipality. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowingly making false statements.

| | | | |
|---|----------------------|-------|---------|
| Signature of chief elected official or principal executive officer: | <i>David O. Cole</i> | Date: | 7/29/13 |
|---|----------------------|-------|---------|

This NOI registration form must be filed with the Department at the following address:
 Stormwater Coordinator
 Maine Department of Environmental Protection
 Bureau of Land & Water Quality
 17 State House Station
 Augusta ME 04333-0017

| | | | | | |
|-----------------|------|------|-----------|-----------|--------------|
| OFFICE USE ONLY | Ck.# | Date | Staff | Staff | After Photos |
| NOI # | FP | | Acc. Date | Def. Date | |

